

REMARKS

Claims 38-57 are pending in the application. Claims 38, 39, 41-44 and 49-57 were rejected under 35 U.S.C. §103(a), as described on pages 2-13 of the Office Action. Claims 40, 45 and 48 were rejected under 35 U.S.C. §103(a), as described on pages 14-16 of the Office Action. Claims 46 and 47 were rejected under 35 U.S.C. §103(a), as described on pages 16-17 of the Office Action. Claims 38, 41 and 51-57 are the only independent claims.

Applicants respectfully traverse the outstanding rejections of claim 38-57. Nevertheless, in order to expedite prosecution, each of independent claims 38, 44 and 51-57 have been amended to be further directed to a particular feature of the disclosed invention. More specifically, each of independent claims 38, 44 and 51-57 are now drawn to correcting a joint angle of respective parts that compose a computer graphic (CG) object.

Motion data in 3DCG is parallel movement amount in a 3D space or rotation amount in a 3D space of a whole object, parallel movement amount in a 3D space (in a linked constitution, parallel movement amount on the partial coordinates system in regard to a connection link) or rotation amount in a 3D space (in a linked constitution, rotation amount on the partial coordinates system in regard to a connection link) of a component which composes an object.

Each of independent claims 38, 44 and 51 now require that “the plural components include parts of an object to be operated, the motion data includes a joint angle of the parts, and said correction unit is further operable to correct the joint angle.”

Similarly, each of independent claims 52-57 now requires that “the components include parts of an object to be operated, the motion data includes a joint angle of the parts, and said correcting further corrects the joint angle.”

It is respectfully submitted that the prior art of record fails to teach the above-identified limitations.

As discussed in paragraph 2(a) of the Office Action, Ubillos does not disclose “a correction unit operable to generate a corrected stream by replacing the motion data of the selected component with the data based on the operational contents inputted by said user interface unit and to output the corrected stream.”

Furthermore, it is respectfully submitted that Ubillos additionally fails to teach: that plural components include parts of an object to be operated, that motion data includes a joint angle of the parts, and that a correction unit is further operable to correct the joint angle, as required in each of independent claims 38, 44 and 51; or that the components include parts of an object to be operated, the motion data includes a joint angle of the parts, and a correcting further corrects the joint angle, as required in independent claims 52-57.

It is respectfully submitted that Chang fails to teach the shortcomings of Ubillos such that a combination of the teachings of Ubillos and Chang would teach that which is required in each of independent claims 38, 44 and 51-57.

Chang discloses a motion vector (motion data) used within the MPEG standard. In particular, Chang discloses the use of a 2D vector indicating to which position a block in a frame or a field of a 2D image moves based on the data of the previous frame or field.

However, it is respectfully submitted that Chang et al. (Chang) fails to teach, or suggest motion data that includes a joint angle of parts or correcting the joint angle, as required in each of independent claims 38, 44 and 51-57.

In light of the above discussion, it is clear that Ubillos fails to teach or suggest: that plural components include parts of an object to be operated, that motion data includes a joint angle of the parts, and that a correction unit is further operable to correct the joint angle, as required in each of independent claims 38, 44 and 51; or that the components include parts of an object to be operated, motion data includes a joint angle of the parts, and a correcting further corrects the joint angle, as required in independent claims 52-57.

It is respectfully submitted that neither one of Bidiville et al. (Bidiville) nor Svancarek, either singly or in combination, teaches the shortcomings of Ubillos and Chang such that a combination of the teachings of Ubillos, Chang, Bidiville and Svancarek would teach that which is required in independent claims 38, 44 and 51-57.

As discussed in paragraph 2(a), on page 14 of the Office Action, Bidiville is cited for allegedly disclosing “a data conversion unit operable to convert operational contents into second data and to output the second data in place of the operational content (column 2, lines 52-54).” As further discussed in paragraph 2(c), on page 15 of the Office Action, Bidiville is cited for allegedly disclosing “a data conversion unit operable to convert the operational contents into second data suited to the motion data of the selected object or object part and to output the second data and to use a pre-taught neural network when converting operational data (column 2, line 49-55).”

As discussed in paragraph 3(a), on page 16 of the Office Action, Svancarek is cited for allegedly disclosing “using tabled conversion data when converting operational content (column 12, line 66 - column 13, line 17).”

While not admitting to the alleged teachings of Bidiville or Svancarek, as asserted in the Office Action, it is nevertheless respectfully submitted that neither one of Bidiville nor Svancarek teach or suggest motion data including a joint angle of parts and correcting the joint angle.

Because neither one of Ubillos, Chang, Bidiville nor Svancarek teach or suggest: that plural components include parts of an object to be operated, that motion data includes a joint angle of the parts, and that a correction unit is further operable to correct the joint angle, as required in each of independent claims 38, 44 and 51; or that the components include parts of an object to be operated, the motion data includes a joint angle of the parts, and a correcting further corrects the joint angle, as required in independent claims 52-57

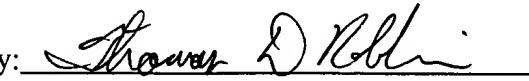
In view of the above remarks, Applicants respectfully submit that claims 38, 44 and 51-57 would not have been obvious over the combination of Ubillos, Chang, Bidiville and Svancarek and urge the rejections of claims 38, 44 and 51-57, and dependent claims 39-43 and 45-50, under 35 U.S.C. § 103, be withdrawn.

Having fully and completely responded to the Office Action, Applicants submit that all of the claims are now in condition for allowance, an indication of which is respectfully solicited.

If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, the Examiner is requested to call Applicants' attorney at the telephone number shown below.

Respectfully submitted,

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